

# Arkansas Health Information Technology Update

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# American Recovery and Reinvestment Act (ARRA) of 2009

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## HITECH Components of ARRA

- Grants to states or their qualified designated entities to support health information exchange implementation;
- Medicaid and Medicare incentive payments to providers that use electronic health record systems and can exchange data;
- Requirements for all federal programs to adopt and use certified technology and standards

# Federal Health Information Technology Funding

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Obstacle		Intervention	Funds Allocated
Financial Resources		Medicare and Medicaid Incentive Program for “Meaningful Use.”	\$27 B*
Technical Assistance		Regional Extension Centers	\$643 M
Human Resources		Workforce Training Programs	\$118 M
Information Sharing		National Health Information Network & Standards and Certification	\$64.3 M
Exchange		Health Information Exchange	\$564 M
Technology		Strategic Health Information Technology Advance Research Projects	\$60 M
Breakthrough Examples		Beacon Communities Program	\$235 M

Source: US Department of Health & Human Services – ONC.

# ARRA/HITECH Stimulus Funding

## Key Points

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- Significant federal funds flowing to states for HIT activities
- Funding is not part of the Health Reform legislation
- Major private sector activity by vendors, corporate sector
- Effective & appropriate use of HIT could be major tool for cost containment, reduction of potential medical errors, and improving health care outcomes

# Key Terms

- **Health Information Technology (HIT)**—is the application of information processing involving both computer hardware and software that deals with the storage, retrieval, sharing, and use of health care information, data (administrative and financial), and knowledge for communication and decision making.
- **Health Information Exchange (HIE)**—is the private and secure electronic movement of health-related information among organizations according to nationally recognized standards.
- **Electronic Medical Record (EMR)**—an electronic record of health-related information on an individual that can be created, gathered, managed, and consulted by authorized clinicians and staff generally within one health organization. An EMR provides the underlying data for an EHR, but it is not transmitted among organizations and usually is more robust than an EHR.
- **Electronic Health Record (EHR)**—an electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be created, managed, and consulted by authorized clinicians and staff across more than one health care organization.
- **Meaningful Use (MU)**—the use of Certified EHR technology, in a meaningful way, as one component of a broader Health Information Technology infrastructure needed to reform the health care system and improve health care quality, efficiency, and patient safety.

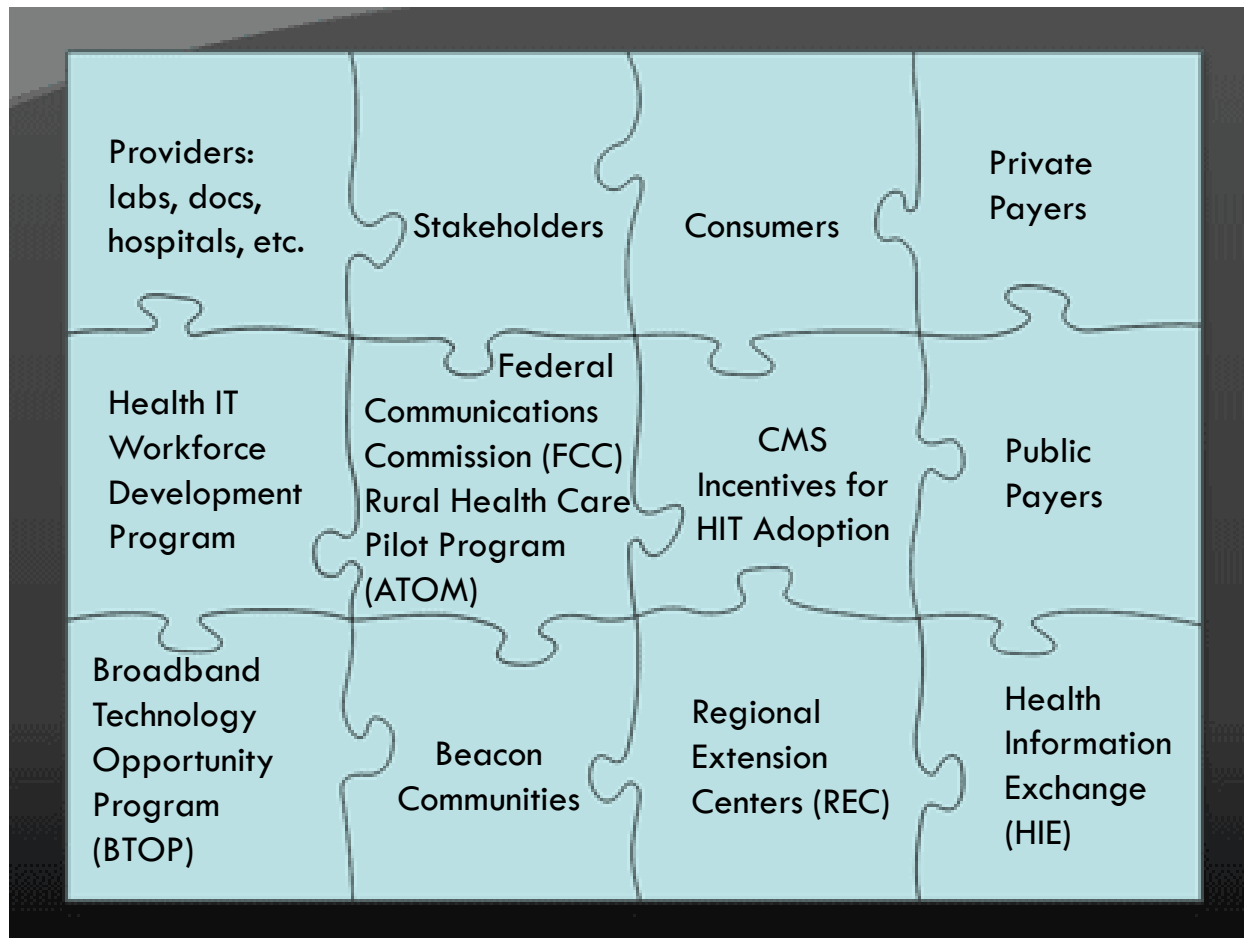
# Role of the State HIT Coordinator

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- Responsibility for planning, development, implementation, and sustained use of the Health Information Exchange (HIE).
- Facilitate coordination of HIT across all ARRA/HITECH and other federal funded grant programs and other publicly funded programs such as Medicaid and Public Health
- Act as key point of interface on HIT with private and public sector stakeholders and public agencies at the local, state, and federal levels.
- Coordinate and collaborate across all HIT initiatives to leverage interrelationships and funding into cohesive strategy to maximize benefits to the State
- Serve as senior advisor to the Governor regarding HIT issues and opportunities in AR



# HIT Overview

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# HIT Programs

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Federal Health Technology Program	Arkansas Applicant	Potential Federal Funding	Est. State Match	Status
<b>Beacon Community Program-</b> build and strengthen health IT infrastructure and HIE capacity to improve health care quality, safety, efficiency, and population health 	Arkansas has 3 applications: <ul style="list-style-type: none"> <li>• <b>NW AR:</b> UAMS Northwest Arkansas Campus</li> <li>• <b>NE AR:</b> Arkansas Foundation for Medical Care (AFMC)</li> <li>• <b>SE AR:</b> Jefferson Regional Medical Center (JRMCC)</li> </ul>	Only 15 grant awards nationally; competitive application process; avg per grantee: \$15M	NA	Letters of Intent sent from 3 AR applicants
<b>Broadband Technology Opportunity Program-</b> supports the deployment of broadband infrastructure in unserved and underserved areas, to enhance broadband capacity at public computer centers, and to encourage sustainable adoption of broadband services. 	Connect AR has 3 applications: <ul style="list-style-type: none"> <li>• AR State Broadband Data and Delivery Program, Expanding Broadband</li> <li>• Sustainable Adoption</li> <li>• Public Computer Access</li> </ul>	<ul style="list-style-type: none"> <li>• \$2.1 million awarded for mapping</li> <li>• \$ 8 million for Sustainable Adoption</li> <li>• Public Computer Access not funded</li> </ul>	<b>Requires a plan for sustainability of ongoing program</b>	<ul style="list-style-type: none"> <li>• Sustainable Adoption funding pending</li> <li>• Mapping has been funded</li> <li>• Public computer access not being funded</li> </ul>
<b>Broadband Technology Opportunity Program-</b> Affords every resident in Arkansas improved access to community anchor institution bandwidth, enhanced quality of broadband-delivered health services, and enhanced capacity to communicate and learn through interactive video technologies; Expands the Arkansas Telehealth Oversight and Management Network (ATOM Network) to extend clinical and educational interactive video to every Arkansan. 	UAMS	Approximately \$105 million federal funds request	Approx. \$45 million matching funds from various sources  <b>Requires a plan for sustainability of ongoing program</b>	Application not approved for Round 1 funding; will reapply for Round 2 funding






# HIT Programs Continued

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Federal Health Technology Program	Arkansas Applicant	Potential Federal Funding	Est. State Match	Status
<b>Community College Consortia to Educate Health Information Technology Professionals in Health Care Program-</b> program to rapidly create HIT workforce programs at Community Colleges or expand existing ones. 	AR Association of Two Year Colleges partnering with AFMC/UAMS Regional Extension Centers (REC) and other multi-state Consortia, Edgenics	Potential of \$500,000 from Multi-state Consortia and other		Partnership agreement in final negotiations
<b>Federal Communications Commission (FCC) Rural health Care Pilot Program-</b> Funding to create a statewide broadband network dedicated to health care to connect public and private non-profit providers in rural and urban areas. 	Arkansas Telehealth Oversight and Management (ATOM), University of Arkansas for Medical Sciences (UAMS)	~\$4.2 million	15% from UAMS- ~\$630,000 Requires a plan for sustainability of ongoing program	Funding has been awarded
<b>Health Information Technology Extension Program: Regional Extension Centers-</b> The regional centers will offer technical assistance, guidance, and information on best practices to care providers' seeking to adopt use of Electronic Health Records (EHRs). 	Partnership between Arkansas Foundation for Medical Care (AFMC) and UAMS	Year 1-- \$3.8 million Year 2-- \$3.6 million Year 3-- \$500,000 Year 4-- \$500,000	<b>Requires a plan for sustainability of ongoing program</b>	Proposal accepted and funding to be awarded in Round 1


# HIT Programs Continued

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Federal Health Technology Program	Arkansas Applicant	Potential Federal Funding	Est. State Match	Status
<b>Health Information Technology Implementation for Health Center Controlled Networks (HCCN)</b> - The purpose of this one-time funding grant is to assist the CHCs in sustaining the costs associated with securing and implementing EMRs HIT. 	Community Health Centers of Arkansas (CHCA)	\$458,003		Funding received
<b>Program of Assistance for University-Based Training</b> - grants to rapidly increase the availability of individuals qualified to serve in specific health information technology professional roles requiring university-level training 	No known Arkansas applicants; Only 8 or more competitive grants awarded nationally.			
<b>State Health Information Cooperative Agreement Program</b> - funds to develop a health information exchange (HIE) to facilitate the exchange of health services information from certified Electronic Health Records (EHRs) among and between physicians, hospitals, and other eligible providers 	Arkansas Department of Finance and Administration as grant administrator	Fed fund allocation to AR of \$7.9 million	FY 2011-10% \$345,822 FY 2012-15% \$ 85,612 FY 2013-33% <del>\$174,137</del> Total \$605,571 <b>Requires a plan for sustainability of ongoing program</b>	Funding allocated for AR; grant approved by ONC; strategic & operational plans must be approved before draw down of federal funding begins

# HIT Programs Continued

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Federal Health Technology Program	Arkansas Applicant	Potential Federal Funding	Est. State Match	Status
<b>CMS Incentives for HIT Adoption-</b> Medicaid EHR incentive programs provide incentive payments to eligible professionals, eligible hospitals, and critical access hospitals (CAHs) that are meaningful users of certified Electronic Health Records. 	Arkansas Department of Human Services, Medicaid Program will administer incentive payment program for qualifying providers and hospitals	\$20 billion in payments through Medicare to eligible hospitals and physicians across the US. \$14 billion in expected payments through Medicaid across the US. estimated to be \$455 million	Specific amount is unknown	Incentives not yet being distributed. Medicare will begin in January, 2011, and Medicaid will begin in October, 2010.

## MEANINGFUL USE CRITERIA (MU)

# Provider Incentives—Market Reform

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- Medicare and Medicaid Incentive Programs
  - ▣ Start in January, 2011
  - ▣ Max Incentives
    - Medicare - \$44,000 over 5 years
    - Medicaid - \$63,750 over 6 years
  - ▣ Can only be eligible for one program
  - ▣ Eligible professionals defined differently by program

# Meaningful Use in Practice

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Stage 1 – 2011	Stage 2 – 2013	Stage 3 – 2015
<ul style="list-style-type: none"><li>● Electronically capturing health information in a coded format</li><li>● Using that information to tract key clinical conditions</li><li>● Communication that information for care coordination purposes</li><li>● Initiating the reporting of clinical quality measures and public health information.</li></ul>	<ul style="list-style-type: none"><li>● Disease management</li><li>● Clinical decision support</li><li>● Medication management</li><li>● Support for patient access to their health information</li><li>● Quality measurement and research</li><li>● Bi-directional communication with public health agencies.</li></ul>	<ul style="list-style-type: none"><li>● Improvements in quality, safety and efficiency</li><li>● Decision support for national high priority conditions</li><li>● Access to self management tools</li><li>● Access to comprehensive patient data, and improving population health outcomes.</li></ul>

## HEALTH INFORMATION EXCHANGE (HIE)

# HIE Mission & Vision

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## □ **Arkansas Health Information Exchange: Vision Statement**

The Arkansas Health Information Exchange (HIE) will provide a mechanism through which individuals, health care providers and health organizations can share health-related information and thus strengthen the delivery of health care throughout Arkansas, leading to improved patient care, individual health decisions, public health outcomes and the cost-effective use of health care resources. The Arkansas HIE will achieve broad acceptance, credibility and access by employing advanced technologies that ensure efficiency, privacy and security, and will continuously evolve to serve Arkansans more effectively.

## □ **Arkansas Health Information Exchange: Mission Statement**

The Arkansas Health Information Exchange (HIE) will advance secure connectivity and serve as a sustainable, interoperable data exchange platform for health-related information.

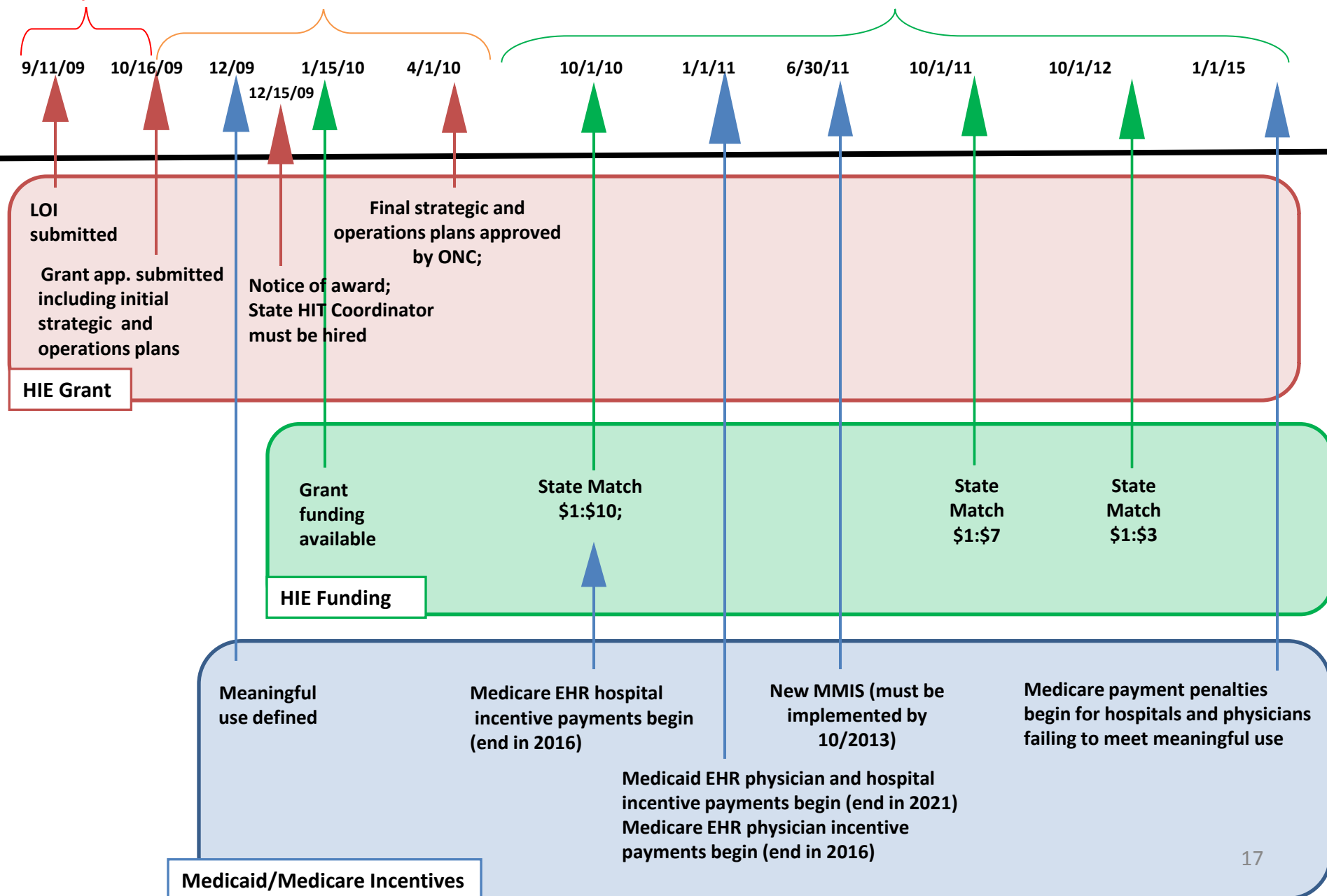


# HIE Timeline

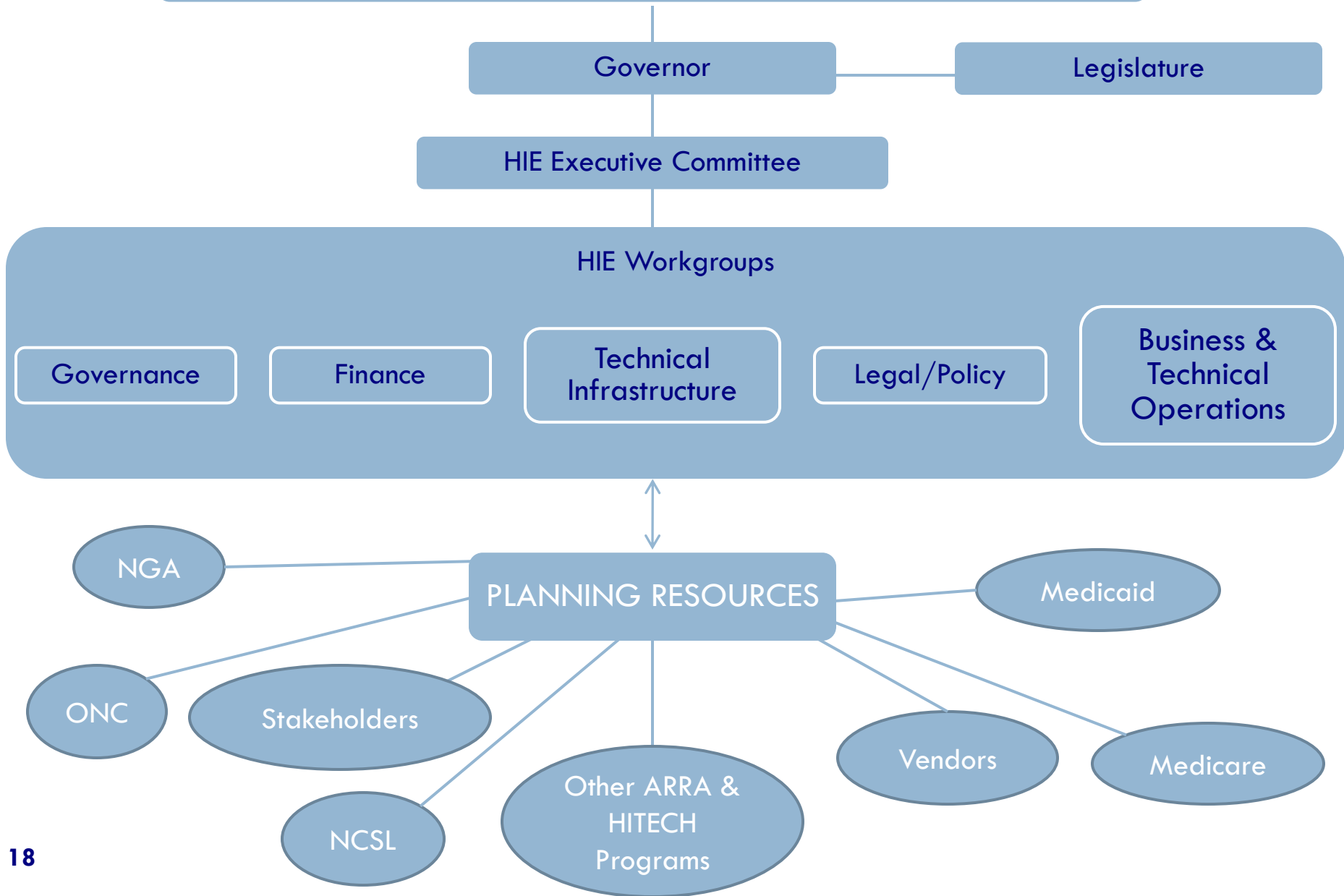
## Concept Phase

## Planning Phase

## Implementation Phase



# HIE Planning & Development Decision Structure



## HIE Planning & Development Process Principles

Openness	Conduct meetings and other planning activities in public to achieve maximum feasible participation of stakeholders
Transparency	Fully disclose information, documents, and materials in an easily-accessible manner and fully disclose all participants' affiliations
Scope of Knowledge	Actively pursue and solicit information, knowledge, and expertise from a wide variety of resources
Unbiased Process	Create a level playing field by avoiding the pre-judgment of or exclusion of potential solutions, approaches, models or products for HIE development

# HIE Workgroups

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- Ensure broad-based representation to obtain transparency, buy-in and trust
- Build upon resources available in the health and IT community
- Promote participation by relevant stakeholders
- Foster collaboration, obtain public perspectives and accountability
- Allow Taskforce members to self-select into workgroups

# HIE Workgroup Representative Types

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- Clinical Researchers
- Clinics
- Consumers – of HIE
- Consumers – Advocacy Organizations
- Consumers – Patients
- Health IT Community
- Health Services Providers
- Hospitals
- Laboratories
- Local HIEs
- Long-term care facilities
- Payers (private)
- Payers/Managed Care
- Pharmacies
- Public Health
- Purchasers (Employers)
- Quality Improvement Organizations
- Research Institutions
- State Government
- State Legislator

# HIE Workgroups

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## Domain

- Governance
- Finance
- Technical Infrastructure
- Business and Technical Operations
- Legal/Policy

## Summary

- Establish a Governance structure
- Convening stakeholders and creating trust and consensus on an approach for statewide HIE and to provide oversight and accountability of HIE to protect the public interest
- Identification and management of financial resources necessary to fund health information exchange.
- The architecture, hardware, software, applications, network configurations and other technological aspects that physically enable the technical services for HIE in a secure and appropriate manner.
- Operational and management activities including procurement, identifying requirements, process design, functionality development, project management, help desk, systems maintenance, change control, program evaluation, and reporting.
- Legal and policy frameworks with which HIE is administered including and privacy security requirements, data sharing agreements, federal and state laws and regulations, and multi-state policy harmonization activities.